91
PURIFIED THERMOSTABLE ENZYME ~

## Abstract of the Disclosure

A purified thermostable near is obtained that has unique characteristics. Preferably the enzyme is obtained from the Thermus 5 aquaticus species and has a molecular weight of about 86,000-95,000 daltons. The thermostable enzyme may be native or recombinant and may be used in a temperature-cycling chain reaction wherein at least one nucleic acid sequence is amplified in quantity from an existing sequence with the aid of selected primers and nucleotide triphosphates. The enzyme is preferably stored in a buffer containing nucleic acid polymerase.

Inon-ionic detergents that lends stability to the enzyme.